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Sheet 1 of 1

Complete if Known

Application Number	10/057,531
Filing Date	January 25, 2002
First Named Inventor	Jeffrey A. LYON et al.
Group Art Unit	1645
Examiner Name	Padmavathi Baskar
Attorney Docket Number	38644-197974

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A1	WIPO	97/30159			08/21/1997		
	A2	WIPO	00/63245			10/26/2000		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A3	PAN et al., "Vaccine Candidate MSP-1 From Plasmodium Falciparum: A Redesign 4917 bp Polynucleotide Enables Synthesis And Isolation of Full-Length Protein From Escherichia Coli And Mammalian Cells", Nucleic Acids Research, Oxford University Press, Vol. 27(4):1094-1103, (1999) ✓	
	A4	CHANG et al., "A Recombinant Baculovirus 42-Kilodalton C-Terminal Fragment of Plasmodium Falciparum Merozoite Surface Protein 1 Protects Aotus Monkeys Against Malaria", Infection and Immunity, American Society for Microbiology, Vol. 64(1):253-261, (1996) ✓	
	A5	KUMAR et al., "Immunogenicity and In Vivo Efficacy of Recombinant Plasmodium Falciparum Merozoite Surface Protein-1 In Aotus Monkeys", Molecular Medicine, Vol. 1(3):325-332, (1995) ✓	
	A6	ANGOV et al., "Process Development for Clinical Grade Plasmodium Falciparum MSP1/42 (3D7) Expressed in E. Coli", XP008018167, p. 207, (1999)	
	A7	LALITHA et al., "Plasmodium Falciparum: Variations In The C-Terminal Cysteine-Rich Region of the Merozoite Surface Protein-1 In Field Samples Among Indian Isolates", Experimental Parasitology, Academic Press, Vol. 92, pp. 12-18, (1999) ✓	
	A8	DUTTA et al., "Purification, Characterization, And Immunogenicity Of A Disulfide Cross-Linked Plasmodium Vivax Vaccine Candidate Antigen, Merozoite Surface Protein 1, Expressed In Escherichia Coli", Infection and Immunity, American Society for Microbiology, Vol. 69(9):5464-5470, (2001) ✓	
	A9	ANGOV et al., "Development And Pre-Clinical Analysis Of A Plasmodium Falciparum Merozoite Surface Protein-1 ₄₂ Malaria Vaccine", Molecular & Biochemical Parasitology, Vol. 128, pp. 195-204, (2003) ✓	

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